

WHAT IS CLAIMED IS:

1. An assembly for preventing rotation of a damper in a stator system comprising:

a slot in said damper; and

a block for engaging said slot and thereby preventing said rotation of said damper.

2. An assembly according to claim 1, further comprising:

said stator system including an inner air seal; and

said block being located in a groove machined in said inner air seal.

3. An assembly according to claim 2, wherein said block is located at a mid span of the inner air seal.

4. An assembly according to claim 2, wherein said block has a height and said groove has a depth which is from about 50 to 65% of said block height.

5. An assembly according to claim 2, wherein said block has side portions and said groove has side edges and said side portions of said block are brazed to said side edges of said groove.

6. An assembly according to claim 2, wherein said block has a substantially rectangular cross section and two chamfered edges for facilitating placement of said block within said groove.

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7. An assembly according to claim 2, wherein said block is formed from a metallic material.
8. An assembly according to claim 2, wherein said block is formed from a non-metallic material.
9. An assembly according to claim 2, wherein said groove has substantially planar side walls joined by rounded edge portions.

10. A stator system for use in an engine comprising:

a stator;

an inner air seal;

a damper positioned between said inner air seal and said stator;

said damper having a slot; and

a block for engaging said slot in said damper so as to prevent rotation of said damper during engine operation.

11. A stator system according to claim 10, further comprising:

a groove machined in said inner air seal; and

said block being positioned within said groove.

12. A stator system according to claim 11, further comprising:

said block having side wall portions and said groove having side edge portions; and

brazing material between said side wall portions and said side edge portions to secure said block in said groove.

13. A stator system according to claim 11, wherein said block has two chamfered edges to allow said block to be positioned within said groove.

14. A stator system according to claim 10, wherein said damper comprises a spring damper.

15. A stator system according to claim 10, wherein said block is located at a mid span portion of said inner air seal.

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